

Abstract**PHOTOCATALYST SHEET AND METHODS OF
WELDING AND MANUFACTURING THE SAME**

The present invention provides the photocatalyst sheet and the methods of welding and manufacturing the same, by which the substrate and resin of the photocatalyst-containing layer are not decomposed by photocatalyst particles, mutual welding of sheets is easy, and the photo-redox effect of a photocatalyst can be obtained. A photocatalyst sheet (1b) comprises a substrate (2) such as fiber and coated layers (3) on both sides of the substrate (2), and the coated layer (3) constitutes the photocatalyst-containing layer in which apatite-coated photocatalyst particles (4) are dispersed and fixed with resin. Here, the coated photocatalyst particles (4) on the surface of the photocatalyst-containing layer are so fixed as to have the parts exposed from the surface of the photocatalyst-containing layer. In case that photocatalyst sheets (1b) are mutually welded, the photocatalyst-containing layer of each photocatalyst sheet (1b) is not removed, and its surface is mutually held, and welded together by thermal welding or others.